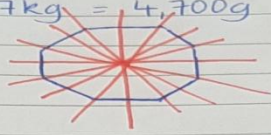


# Master Your Maths Week 27

## Monday

1. 
$$\begin{array}{r} 90.00 \\ 8.00 \\ 0.04 + \\ \hline 0.70 \\ 98.74 \end{array}$$
2.  $123 - 45 = 78$
3.  $(2 \times 3) + (6 \times 4) = 30$
4.  $4 \overline{) 1547}$   
 $136R3$
5.  $\frac{2}{9}$
6.  $€50 - €36.70 = €13.30$
7. 5 in 10 or 1 in 2
8. 2 hours
9. 0.4m
10. 6,900
11. 250ml
12.  $(4 \times 3) \times 2 = 24$
13.  $10 \overline{) €33}$   
 $€3.30 \times$   
 $\underline{3}$   
 $€9.90$
14.  $8:20 \rightarrow 8:15$  11hrs 55mins  
 $10:30 \rightarrow 8:15$  9hrs 45mins  
2hrs 10mins
15. 6L = 100km 12L = 200km  
3L = 50km (15L)
16.  $7 \overline{) 168}$   $0.25 = \frac{1}{4}$   
 $\begin{array}{r} 24 \\ 3 \times \\ \hline 72 + \\ 42 \\ \hline 114 \end{array}$   $\begin{array}{r} 168 \\ 4 \overline{) 168} \\ \hline 42 \end{array}$   
 $\begin{array}{r} 168 \\ 114 \\ \hline 054 \end{array}$

## Tuesday

1. 
$$\begin{array}{r} 1.62 + \\ 0.70 \\ \hline 2.32 \end{array}$$
2.  $7:45 \rightarrow 9:10 = 85\text{mins}$
3. 910
4.  $4.7\text{kg} = 4,700\text{g}$
5.  8
6.  $72 \div 8 \rightarrow 5 + 4$
7.  $2.6 + 0.5 = 3\frac{1}{10}$
8. 70, 63, 56, 49, 42, 35
9.  $\frac{6}{10}$
10.  $\frac{1}{4}$  of 24 = 6 +  
 $\frac{1}{2}$  of 10 = 5  
11
11.  $3\text{cm} \times 5\text{cm} = 15\text{cm}^2$
12.  $3 \overline{) €3.21}$   
 $€1.07$
13.  $8\text{cm} \times 7\text{cm} = 56\text{cm}^2$
14.  $11\text{cm} \times 10\text{cm} = 100\text{cm}^2$
15.  $\begin{array}{r} 110\text{cm}^2 \\ 56 \\ \hline 54\text{cm}^2 \end{array}$
16.  $11\text{cm} + 11\text{cm} + 10\text{cm} + 10\text{cm} = 42\text{cm}^2$   
Area = L x W  
Perimeter = Add sides

# Master Your Maths Week 27

## Wednesday

1. 
$$\begin{array}{r} 50.00 \\ 7.00 + \\ 0.90 \\ \hline 0.08 \\ \hline 57.98 \end{array}$$
2.  $93 - 15 = 78$
3.  $(7 \times 7) - (9 \times 5) = 4$
4. 
$$\begin{array}{r} 8 \overline{) 457} \\ 057 R 1 \end{array}$$
5.  $\frac{1}{9}$
6. 
$$\begin{array}{r} \text{€} 44.50 + \\ \text{€} 45.50 \\ \hline \text{€} 90.00 \end{array}$$
7.  $\frac{8}{9}$  of 72 = 64 
$$\begin{array}{r} 8 \overline{) 64} \\ 8 \times \\ \hline 72 \end{array}$$
8. 5hrs 55mins
9. 4,500g
10. 1,000
11. ~~350~~ 350ml
12.  $(6 \times 5) - 2 = 28$
13. 
$$\begin{array}{r} 4 \overline{) 98.30} \\ 24.50 \times = 1 \text{ pair} \\ \hline 73.50 = 3 \text{ pairs} \end{array}$$
14. 
$$\begin{array}{r} 2.680 \\ 8.085 + \\ \hline 6.250 \end{array}$$
 Remember 1,000 = 1km  
 $7.015 \text{ km or } 17 \text{ km } 15 \text{ m}$
15.  $\text{€} 26 \times 6 = \text{€} 156 + \text{€} 99 = \text{€} 255$
16. 
$$\begin{array}{|l} L = 30 \text{ m} \\ W = 15 \text{ cm} \end{array}$$
 
$$\begin{array}{|l} L = 30 \text{ m} \\ W = 15 \text{ cm} \end{array}$$
  
 $L + L + W + W = \text{Perimeter}$

## Thursday

1. 
$$\begin{array}{r} 321 \\ 248 \\ \hline 569 \end{array}$$
2. cylinder
3. 58
4. acute
5.  $75 - 15 \rightarrow 25 + 35$
6.  $\frac{2}{12}$
7.  $81 \div 9 \rightarrow 7 + 2$
8.  $3.1 + 0.9 < 4 \frac{1}{2}$
9. 
$$\begin{array}{r} 7 \times \text{ of } 72 \quad 9 \overline{) 72} \\ 9 \times \quad \quad \quad 8 \times \\ \hline 56 \end{array}$$
10. 16
11.  $8 \text{ cm} + 8 \text{ cm} + 3 \text{ cm} + 3 \text{ cm} = 22 \text{ cm}$
12. 
$$\begin{array}{r} 4 \overline{) \text{€} 360} \\ \text{€} 90 = 1 \text{ tyre} \end{array}$$
13. shed =  $9 \text{ m} \times 9 \text{ m}$  (square)  
garden =  $22 \text{ m} \times 15 \text{ m}$   
garden =  $330 \text{ m}^2$
14. shed =  $81 \text{ m}^2$
15. 
$$\begin{array}{r} 330 \text{ m}^2 \\ 81 \text{ m}^2 - \\ \hline 249 \text{ m}^2 \end{array}$$
16. 
$$\begin{array}{r} 3 \overline{) 249 \text{ m}^2} \\ 083 \text{ m}^2 \end{array}$$

## Monday

1. Add 0.6 to 1.92. 2.52

2.

	h	t	u
	7	2	6
-	2	5	7
	4	6	9

3.  $9 \times 0.5 = 4.5$

4.  $(400 + 400) \div 10 = 80$

5. If you bought 5 buns at 90c each, how much change would you get from €10? €5.50

6.

hrs	mins
8	45
+	2 25
<u>10</u>	<u>70</u>
11	10

7. What fraction of this pizza has been eaten?  $\frac{3}{8}$

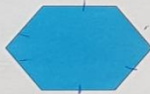


8. How long is this line?  $2\frac{1}{2}$  cm

9. How many minutes from 3:35 to 4:20? 45 mins

10. Half of 250 = 125

11. Name this shape.  
Hexagon



12. Write  $56\frac{3}{100}$  as a decimal fraction. 56.03



13. The distance from A to C is  $42\frac{1}{4}$ m. What is the distance from B to C? 27.75m

14. How much is the sum of 4,795 and 2,178 less than 9,000? 2,027

15. How much change would I get out of €50 if I bought two items costing €25.80 and €17.50? €6.70

16. Divide by 8 the largest number that can be made with these four digits:  
6 4 9 0. 12058 | 9640  
1205

## Tuesday

1. 8 numbers after 4,999 is 5,007

2.  $15.7 - 4.81 = 10.89$

3.  $0.9 \times 4 = 3.6$

4.  $693 \div 9 = 77$

5. 5 bottles containing 450ml of water is a total of 2,250 litres.

6. Find the area of a square with sides of 20cm.  $400 \text{ cm}^2$

7. 6 hrs 56 mins - 3 hrs 5 mins = 3hrs 51mins

8. In this pie chart, 8 students like football. How many like basketball? 4



9. 85g lighter than 1.1kg is 1,015g

10. €50 - €10.50 = €39.50

11.  $\frac{1}{4}$  km = 250 m

12.  $(8 \times 4) - 5 = 27$

I broke the screen of Dad's computer. It cost €120 to repair.

13. If I pay Dad €5 per week, how many weeks would it take to pay €120? 24 weeks

14. To earn money, I work for Dad. He gives me 50c per shirt I iron and 75c per pair of trousers. If I iron €8 16 shirts and 5 pairs of trousers, how much will I still have to pay? €108.25

15. I earn €12.40 from Mum for cleaning and €8.25 from Gran for shopping. How much money did I earn altogether for ironing (Q14), cleaning and shopping? €32.40


16. I gave Dad all my hard earned cash! How much have I left to pay? €87.60

## Wednesday

- $0.6\text{m} = 60\text{ cm}$
- $\frac{1}{3}$  of 300  $- \frac{1}{2}$  of 50 = 75
- $2.4 \times 7 = 16.8$
- $(1,000 \div 50) \div 10 = 2$
- How much change would you get from €10 if you bought 5 oranges at 48c each? €7.60
- Sheena had €2. She spent 0.1<sup>1/10</sup> of it. How much has she left? €1.80
- What decimal fraction is 6 times smaller than 5.4? 0.9  $\div 6$
- Round 6,559 to the nearest 100. 6,600
- 75g heavier than 6.5kg is 6.575kg
- 12 hours later than 8:30 is 8:30
- What is  $\frac{5}{9}$  of 81? 45
- Find the area of a rectangle measuring 9cm  $\times$  7cm. 63cm<sup>2</sup>
- A man was packing eggs into cartons of six. How many cartons will he fill with 853 eggs and how many eggs will be left over? 142 R 1
- John spent  $\frac{1}{3}$  of his money on  $\frac{1}{3} = \frac{4}{12}$  Monday and  $\frac{1}{4}$  of his money on  $\frac{1}{4} = \frac{3}{12}$  Tuesday. What fraction of his money has he left?  $\frac{5}{12}$
- A school had 40 litres of oil left in the tank. On Monday, it used 16.4 litres and on Tuesday, it used 12.2 litres. How much oil was left in the tank? 11.4L
- A school concert starts at 7:50. The first part lasts 55 minutes and the second part lasts 40 minutes. There is a 15-minute interval. At what time does the concert end? 9:40

/16

## Thursday

- $8.4 + 0.8 = 9.2$
- $9 \times 8 = 72$  so  $72 \div 9 = 8$
- $7.09 \times 100 = 709$
- 4 times smaller than 6.4 is 1.6
- 20 pots of jam at €1.25 per pot costs €25
- A square has a perimeter of 64cm. Find the length of each side. 16cm
- Write  $1\frac{16}{20}$  in decimal form. 1.8  $\frac{16}{20} = \frac{4}{5} = 0.8$
- Write 7.07 as a mixed number.  $7\frac{7}{100}$
- What does the prefix 'hex' stand for in the word hexagon? Six
- $0.54\text{kg} = 540\text{ g}$
- 7:51 is 3 minutes to 8
- How many right angles can you count here? 16 

Our Youth Club went to Dublin for the weekend.

- $\frac{1}{4} = 15\text{km}$
- $\frac{3}{4}$  of the way there, we passed a signpost marked Dublin 15km. How far was our journey in total? 60km
  - We visited Dublin Zoo. We arrived at 9:45 and stayed until 3:15. How long were we at the zoo? 5  $\frac{1}{2}$  hours
  - We went to the cinema. There were 140 seats in the cinema and our club filled  $0.7\frac{7}{10}$  of them. How many club members went to the cinema? 98  $140 \times \frac{7}{10} = 98$
  - It cost €6.50 to feed each club member at a restaurant. What was the total bill at the restaurant? €63.7

/16

## 32. Test Yourself 3

### Mental Computation

- (page 94)
- |           |            |             |              |              |
|-----------|------------|-------------|--------------|--------------|
| 1. 2836   | 2. 4969    | 3. 7250     | 4. 1545      | 5. 3185      |
| 6. 4950   | 7. €2.05   | 8. €4.32    | 9. €3.71     | 10. €1.45    |
| 11. €2.24 | 12. €4.62  | 13. 325cm   | 14. 475cm    | 15. 280cm    |
| 16. 1450m | 17. 2700m  | 18. 4300m   | 19. 2500g    | 20. 3680g    |
| 21. 1900g | 22. 3460ml | 23. 1700ml  | 24. 2800ml   | 25. 35       |
| 26. 32    | 27. 70     | 28. 90 mins | 29. 100 mins | 30. 135 mins |

### Written Computation

- |                       |             |                  |
|-----------------------|-------------|------------------|
| 1. €16.66             | 2. €52.72   | 3. €86.67        |
| 4. €52.74             | 5. €43.74   | 6. 6 hrs 27 mins |
| 7. 3 hrs 48 mins      | 8. 55.51 km | 9. 69.81 kg      |
| 10. 80.74l            | 11. 6993    | 12. 6408         |
| 13. 6636              | 14. 9213    | 15. 9380         |
| (page 95) 16. 139 R 3 | 17. 122 R 7 | 18. 1.93km       |
| 19. 1.44kg            | 20. 1.39l   |                  |

### Mental Problems

- |          |           |          |                      |
|----------|-----------|----------|----------------------|
| 1. €2.35 | 2. €18.60 | 3. 32    | 4. 42cm <sup>2</sup> |
| 5. 42m   | 6. €150   | 7. 240ml | 8. 300g              |
| 9. 200m  | 10. 81    | 11. 3:15 | 12. 0.65             |

### Written Problems

- (page 96)
- |            |           |            |            |
|------------|-----------|------------|------------|
| 1. 12.24kg | 2. 8.51l  | 3. 10.14km | 4. 6:23    |
| 5. 388     | 6. 16.45l | 7. €11.55  | 8. 5162    |
| 9. 1.59m   | 10. 4:25  | 11. 1512   | 12. €14.13 |